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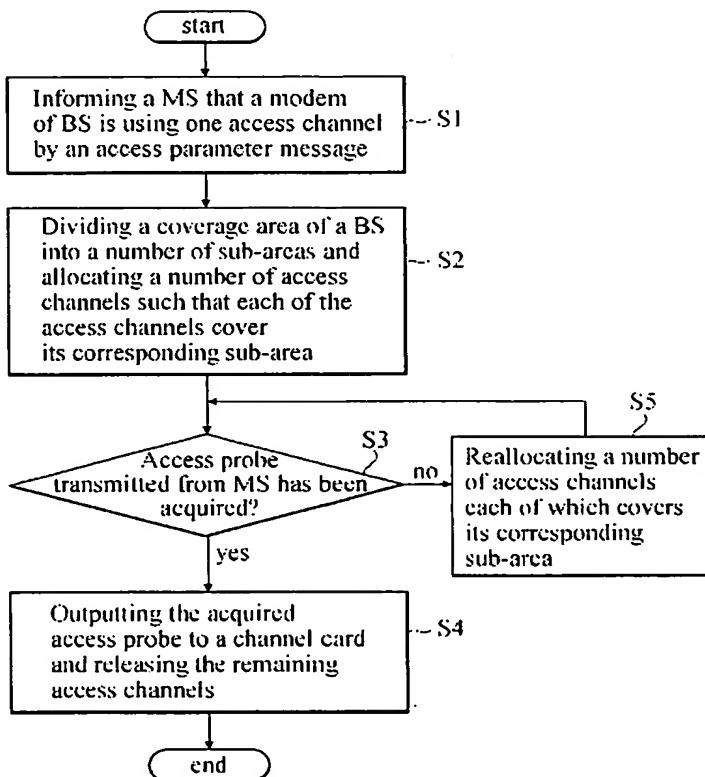
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(54) Title: METHOD FOR ALLOCATING MULTI ACCESS CHANNELS AT THE TIME OF CALL SETUP IN A MOBILE COMMUNICATION SYSTEM



(57) Abstract: There is provided a method for allocating multiple access channels at the time of call setup in a mobile communication system, wherein the method comprises the steps of: informing a mobile station that a modem of a base station is using one access channel; dividing a coverage area of the base station into a number of sub-areas; allocating a number of access channels such that each of the access channels covers its corresponding sub-area; monitoring the access channels to determine whether an access probe transmitted from the mobile station has been acquired; and if the access probe has been acquired, outputting the acquired access probe to the channel card and releasing the remaining access channels. The method reduces a call setup time and improves the call setup services by dividing a coverage area of a base station into several sub-areas according to a distance from the base station and allocating each of the access channels to the corresponding sub-area so that the search window size of each access channel diminishes.

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